IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date June 3, 2005

Attention All Employees Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 104 (LRFD Implementation for Steel Bridge Design)

As part of the Office of Bridges and Structures implementation plan for the AASHTO LRFD specification, the following design policy has been adopted. All new steel girder bridge projects (excluding curved steel bridges) designed in house shall use the 2004 AASHTO LRFD 3rd Ed. specification. LRFD design of steel bridges by consultants will be determined on a case-by-case basis.

The new policies include the superstructure for welded plate girders (barrier, deck, and girder). Updated standard slab cross sections for steel bridges will be available in the future for the English and metric standard roadway cross-sections. The 3 span rolled steel standards will continue to use the AASHTO Standard Specifications and will be updated in the future for LRFD. The substructure designs will continue to follow the 2002, AASHTO Standard Specifications, 17th Ed.

Examples and MathCAD files are available for use by office personnel and consultants. Questions regarding the design methods or specifications shall be directed to John Neiderhiser or Ahmad Abu-Hawash.

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